

(19) World Intellectual Property
Organization
International Bureau



INTERNATIONAL BUREAU OF PATENT COOPERATION
3, rue de la Harpe, CH-1015, Yverdon, Suisse
P.O. Box 68, CH-1015, Yverdon, Suisse
Tél. (021) 266 61 11, Fax (021) 266 61 12
E-mail: info@wipo.int

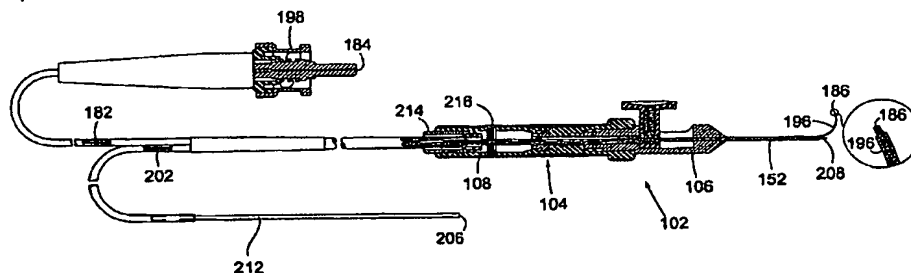
(43) International Publication Date
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number
WO 2005/048817 A2

- (51) International Patent Classification⁷: **A61B** (74) Agents: ROLNICKI, Joseph M. et al.; Thompson Coburn LLP, One US Bank Plaza, St. Louis, MO 63101 (US).
- (21) International Application Number: PCT/US2004/038176 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 15 November 2004 (15.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/520,277 13 November 2003 (13.11.2003) US (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application: 60/520,277 (CON) Filed on 13 November 2003 (13.11.2003)
- (71) Applicant (for all designated States except US): SYNERGETICS, INC. [US/US]; 3845 Corporate Centre Drive, St. Charles, MO 63304-8694 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): SCHELLER, Gregg D. [US/US]; 17820 Suzanne Ridge Drive, Glencoe, MO 63038 (US).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ILLUMINATED LASER PROBE WITH ADJUSTBLE AREA OF ILLUMINATION



(57) Abstract: An illuminated laser probe primarily designed for ophthalmic surgery provides both illumination light to a surgical site and laser light to the surgical site. The probe has an elongate handle with a tubular tip extending from a distal end of the handle. A length of illumination optic fiber and a length of laser optic fiber extend through the handle and the tip. A mechanism is provided on the handle at a position where the mechanism can easily be manipulated by a finger of a surgeons hand holding the handle. The mechanism is operatively connected with the laser optic fiber and is manipulated to selectively extend a distal portion of the optic fiber from the instrument tip and retract the distal portion of the optic fiber back into the instrument tip.

WO 2005/048817 A2